# **MDPH Regional Immunization Nurses**

The MDPH Immunization Program's Immunization Nurses provide technical consultation, information and assistance in improving immunization service delivery to providers, hospitals, and residents of the Commonwealth.

## **Perinatal Hepatitis B Prevention and Case Management**

The goal of the perinatal hepatitis B prevention and case management program is to identify all hepatitis B positive pregnant women in Massachusetts so their newborns can receive timely and appropriate immunoprophylaxis. Infants who do not receive immunoprophylaxis have a 90% chance of becoming chronic hepatitis B carriers. Of these carriers, up to 25% will develop liver failure, liver cancer, or cirrhosis in young adulthood. Infants who receive timely and appropriate immunoprophylaxis have a 95% chance of being free from hepatitis B for life.

# **Quality Improvement (AFIX)**

AFIX is a continuous quality improvement process focused on implementing practices to increase immunization coverage levels, decrease missed opportunities, and improve immunization services. During AFIX, MIIS immunization data is reviewed with the practice for their 2-year-old and adolescent populations and a quality improvement plan is created and goals are set with the practice to increase their vaccination rates. Follow-up continues throughout the year to track progress on the plan and goals and evaluate the success of implemented strategies.

#### **Technical Assistance and Education**

- Immunization best practices
- Standards for pediatric and adolescent immunization practices
- Vaccine administration techniques
- Vaccine safety
- Vaccine storage and handling
- Recommended vaccination schedules
- School entry vaccination requirements
- Perinatal hepatitis B prevention

### **MDPH Immunization Program Nurses**

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